

INDEX TO ARTICLES • 1969

DATA PROCESSING MAGAZINE / Volume 11

SUBJECTS

APPLICATIONS

AUERBACH ON COMPUTER

TECHNOLOGY:

From Metallic Type to Automatic Photocomposition
Robert Kraft
November, p. 70

ON LINE

Come Dick, Come Jane, See Spot Run
June, p. 16

Random Accessing for Large Tape Files

Richard A. Kaimann
February, p. 22

ASSOCIATIONS

EDUCATION AND DATA PROCESSING

(C. B. S. Grant):

ACM, DPMA Issue Private School Guidelines
September, p. 44

A Society of Data Educators
January, p. 28

Complete Curriculum Report Now Available
June, p. 52

The DPMA School Guidelines Examined
November, p. 44

ON LINE

The Holy Sees
July, p. 12

DATA COMMUNICATIONS

AUERBACH ON COMPUTER

TECHNOLOGY:

Noncommon Carrier Data Sets
David H. Axner
April, p. 48

Error Consideration in Data Transmission
F. D. Smith
November, p. 32

EDUCATION

EDUCATION AND DATA PROCESSING

(C. B. S. Grant):

ACM, DPMA Issue Private School Guidelines
September, p. 44

A Society of Data Educators
January, p. 28

CAI in Typing: An Unfilled Need
August, p. 44

Complete Curriculum Report Now Available
June, p. 52

Computers Put Traditional Creative Arts Education on Verge of Collapse
October, p. 60

Data Processing for the Community College
April, p. 38

In-House Training in Data Processing—How MACS does it
July, p. 36

New Data Processing Curriculum Proposed for High Schools
March, p. 56

The DPMA School Guidelines Examined
November, p. 44

The Programmer's Dilemma
December, p. 36

Will Students Wreck Your Computer Center?
May, p. 62

ON LINE

Accreditation of EDP Schools
August, p. 12

Come Dick, Come Jane, See Spot Run
June, p. 16

EUROPEAN NEWS

DATeline EUROPE

February, p. 46
March, p. 48
April, p. 30
May, p. 30
June, p. 48
July, p. 42
August, p. 28
September, p. 38
October, p. 28
November, p. 48
December, p. 32

GOVERNMENT

ON LINE

Juggled Laissez Faire
November, p. 12

HARDWARE

A Primer on Source Data Automation
Lawrence Feldelman
September, p. 26

AUERBACH ON COMPUTER TECHNOLOGY:

A Promise Fulfilled—The Univac 900 Series, Parts 1 and 2
F. J. J. Piasta
June, p. 36
July, p. 30

Computer Output Microfilers, Parts 1 and 2
Thomas F. Deahl
Vincent Rauzino
August, p. 34
September, p. 60

From Metallic Type to Automatic Photocomposition
Robert Kraft
November, p. 70

Make Your Mark—An Incisive Look at Optical Mark Readers
Lowell F. Melick
January, p. 42

Noncommon Carrier Data Sets
David H. Axner
April, p. 48

Progress With Displays
Fred W. Mumma
October, p. 34

Sigma 7 Revisited, and a Look at the Sigma 5
Jean J. Bartik
March, p. 60

The CDC 7600—A Giant in Our Time
Lawrence I. Dinnerstein
May, p. 48

The Compatibles—ICL's 1900 Series
Roy R. Gillus
December, p. 24

The Interdata Series
Peter Wallis
February, p. 32

INDUSTRY

ON LINE

Alive and Kicking
May, p. 14

A Look Ahead
December, p. 10

A Summing Up
April, p. 12

A Word About Computer Statistics
January, p. 12

Baubles, Bangles and Beads
March, p. 12

Juggled Laissez Faire
November, p. 12

More on Computer Statistics
February, p. 10

The Flame Begins to Flicker
September, p. 17

The Gentlemanly Art of Unbundling
October, p. 12

The Holy Sees
July, p. 12

INFORMATION RETRIEVAL

A Primer on Source Data Automation
Lawrence Feldelman
September, p. 26

AUERBACH ON COMPUTER TECHNOLOGY:

Computer Output Microfilers, Parts 1 and 2
Thomas F. Deahl
Vincent Rauzino
August, p. 34
September, p. 60

From Metallic Type to Automatic Photocomposition
Robert Kraft
November, p. 70

EDUCATION AND DATA PROCESSING

(C. B. S. Grant):

CAI in Typing: An Unfilled Need
August, p. 44

Random Accessing for Large Tape Files

Richard A. Kaimann
February, p. 22

MANAGEMENT

An Approach to the Control of Programming Projects
John McInnis
March, p. 38

EDUCATION AND DATA PROCESSING

(C. B. S. Grant):

Will Students Wreck Your Computer Center?
May, p. 62

Estimating the Cost of System Implementation, Parts 1 and 2
Louis Fried
March, p. 32
April, p. 24

Program Conversion: A Discussion of Techniques
Paul G. Kahn
Mary E. Fuller
November, p. 28

Resource Allocation and System Management in the Timesharing Era
Arthur M. Rosenberg
May, p. 38

The Equipment Planning Group
John A. McGann
February, p. 26

The Handling and Storage of Computer Tapes
Curtis F. Koefod
July, p. 20

Toward the Complete Executive—Brainware and the Computer
J. Richard Sherman
August, p. 22

MARKETING

ON LINE

A Summing Up
April, p. 12

A Word About Computer Statistics
January, p. 12

Saubles, Bangles and Beads
March, p. 12

More on Computer Statistics
February, p. 10

PERIPHERALS

A Primer on Source Data Automation
Lawrence Feidelman
September, p. 26

AUERBACH ON COMPUTER TECHNOLOGY:
Computer Output Microfilmers, Parts 1 and 2
Thomas F. Deahl
Vincent Rauzino
August, p. 34
September, p. 60

Make Your Mark—An Incisive Look at Optical Mark Readers
Lowell F. Mellick
January, p. 42

Noncommon Carrier Data Sets
David H. Axner
April, p. 48

Progress with Displays
Fred W. Mumma
October, p. 34

PERSONNEL

A Career in Data Processing
Real O. Roy
January, p. 24

EDUCATION AND DATA PROCESSING
(C. B. S. Grant):

A Society of Data Educators
January, p. 28

The Programmer's Dilemma
December, p. 36

Employment Agencies—Friend or Foe?
Eugene B. Schultz
January, p. 22

ON LINE

A Look Ahead
December, p. 10

The Equipment Planning Group
John A. McGann
February, p. 26

Toward the Complete Executive—Brainware and the Computer
J. Richard Sherman
August, p. 22

PROCUREMENT

ON LINE

Juggled Laissez Faire
November, p. 12

PROGRAMING

A Basic Conversational FORTRAN Programing System for OS/360
Herbert Kugel
June, p. 30

An Approach to the Control of Programing Projects
John McInnis
March, p. 38

EDUCATION AND DATA PROCESSING
(C. B. S. Grant):

The Programmer's Dilemma
December, p. 36

Program Conversion: A Discussion of Techniques
Paul G. Kahn
Mary E. Fuller
November, p. 28

Random Accessing for Large Tape Files
Richard A. Kaimann
February, p. 22

SOFTWARE

A Basic Conversational FORTRAN Programing System for OS/360
Herbert Kugel
June, p. 30

SYSTEMS/PROCEDURES

An Approach to the Control of Programing Projects
John McInnis
March, p. 38

A Primer on Source Data Automation
Lawrence Feidelman
September, p. 26

AUERBACH ON COMPUTER TECHNOLOGY:
Computer Output Microfilmers, Parts 1 and 2
Thomas F. Deahl
Vincent Rauzino
August, p. 34
September, p. 60

Error Considerations in Data Transmission
F. D. Smith
November, p. 32

Estimating the Cost of System Implementation, Parts 1 and 2
Louis Fried
March, p. 32
April, p. 34

Resource Allocation and System Management in the Timesharing Era
Arthur M. Rosenberg
May, p. 38

Toward the Complete Executive—Brainware and the Computer
J. Richard Sherman
August, p. 22

TAPE

The Handling and Storage of Computer Tape
Curtis F. Koefod
July, p. 20

TIMESHARING

Resource Allocation and System Management in the Timesharing Era
Arthur M. Rosenberg
May, p. 38

Deahl, Thomas F. (with Vincent Rauzino)
Computer Output Microfilmers—Parts 1 and 2
August, p. 34
September, p. 60

Dinnerstein, Lawrence I.
The CDC 7600—A Giant in Our Time
May, p. 48

Feidelman, Lawrence
A Primer on Source Data Automation
September, p. 26

Fried, Louis
Estimating the Cost of System Implementation, Parts 1 and 2
March, p. 32
April, p. 24

Fuller, Mary E. (with Paul G. Kahn)
Program Conversion: A Discussion of Techniques
November, p. 28

Gillis, Roy R.
The Compatibles—ICL's 1900 Series
December, p. 24

Grant, C. B. S.
ACM, DPMA Issue Private School Guidelines
September, p. 44

A Society of Data Educators
January, p. 28

CAI in Typing: An Unfilled Need
August, p. 44

Complete Curriculum Report Now Available
June, p. 52

Computers Put Traditional Creative Arts Education on Verge of Collapse
October, p. 60

Data Processing for the Community College
April, p. 38

In-House Training in Data Processing—How MACS does it
July, p. 36

New Data Processing Curriculum Proposed for High Schools
March, p. 56

The DPMA School Guidelines Examined
November, p. 44

The Programmer's Dilemma
December, p. 36

Will Students Wreck Your Computing Center?
May, p. 62

Kahn, Paul G. (with Mary E. Fuller)
Program Conversion: A Discussion of Techniques
November, p. 28

Kaimann, Richard A.
Random Accessing for Large Tape Files
February, p. 22

Koefod, Curtis F.
The Handling and Storage of Computer Tape
July, p. 20

Kraft, Robert
From Metallic Type to Automatic Photocomposition
November, p. 70

Kugel, Herbert
A Basic Conversational FORTRAN Programing System for OS/360
June, p. 30

McGann, John A.
The Equipment Planning Group
February, p. 26

McInnis, John
An Approach to the Control of Programing Projects
March, p. 38

Mellick, Lowell F.
Make Your Mark—An Incisive Look at Optical Mark Readers
January, p. 42

Mumma, Fred W.
Progress with Displays
October, p. 34

Piasta, F. J. J.
A Promise Fulfilled—The Univac 9000 Series, Parts 1 and 2
June, p. 36
July, p. 30

Rauzino, Vincent (with Thomas F. Deahl)
Computer Output Microfilmers—Parts 1 and 2
August, p. 34
September, p. 60

Rosenberg, Arthur M.
Resource Allocation and System Management in the Timesharing Era
May, p. 38

Roy, Real O.
A Career in Data Processing
January, p. 24

Schultz, Eugene B.
Employment Agencies—Friend or Foe?
January, p. 22

Sherman, Richard J.
Toward the Complete Executive—Brainware and the Computer
August, p. 22

Smith, F. D.
Error Considerations in Data Transmission
November, p. 32

Wallis, Peter
The Interdata Series
February, p. 32

TITLES

A Basic Conversational FORTRAN Programing System for OS/360
Herbert Kugel
June, p. 30

A Career in Data Processing
Real O. Roy
January, p. 24

A Primer on Source Data Automation
Lawrence Feidelman
September, p. 26

An Approach to the Control of Programing Projects
John McInnis
March, p. 38

AUERBACH ON COMPUTER TECHNOLOGY:
A Promise Fulfilled—The Univac 9000 Series, Parts 1 and 2
F. J. J. Piasta
June, p. 36
July, p. 30

AUTHORS

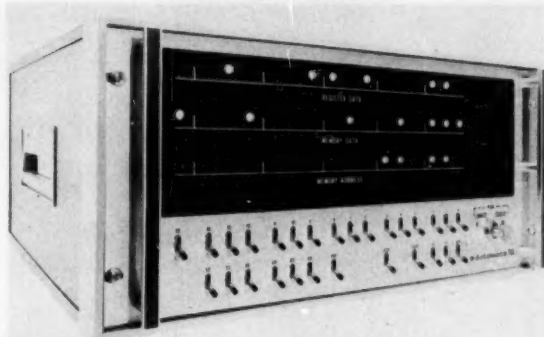
Axner, David H.
Noncommon Carrier Data Sets
April, p. 48

Bartik, Jean J.
Sigma 7 Revisited, and a Look at the Sigma 5
March, p. 60

Products and Services

Continued from page 56

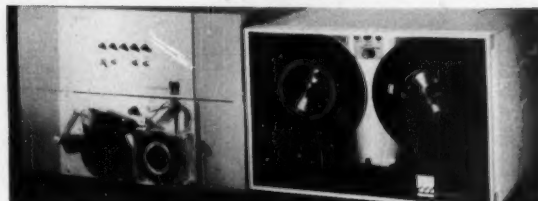
Realtime Computer



Datamate Computer Systems Inc. 16 computer offers fully parallel 16-bit operation and 1 μ sec full memory cycle time. Designed for applications requiring realtime i/o capability, it features a 4096-word memory (expandable to 32k, with up to 8k in the main frame), integral direct memory access i/o bus, 16 megabit data transfer rate, peripheral device interface by plug-in card, and eight levels of fully nested selfidentifying hardware priority interrupts, field expandable up to 64 levels with 2 μ sec response time.

Check 123 on reader service card

Tape Converter



Digi-Data System 30 converts IBM MTST tape to computer compatible tape and is available for seven- or nine-track usage. The information on the MTST tape is transferred and the cartridge rewound in less than 4 minutes. A plug-board code converter is optional.

Check 124 on reader service card

Data Sorter



Astrodata Inc. data sorter stores data internally, sorts, and returns it on command to the computer. It is designed to interface with IBM 360 Model 40, 50, and 65 units. Capacity is 65,536 words of approximately 40 bytes each. Data records up to 5437 bytes long may be stored. Software for conventional sorting jobs under OS360 is included; also the sorter supports the COBOL sort verb.

Check 125 on reader service card

Computer Output Microfilmers, Parts 1 and 2
Thomas F. Deahl
Vincent Rauzino
August, p. 34
September, p. 60

From Metallic Type to Automatic Photocomposition
Robert Kraft
November, p. 70

Make Your Mark—An Incisive Look at Optical Mark Recognition
Lowell F. Mellick
January, p. 42

Noncommon Carrier Data Set
David H. Axner
April, p. 48

Progress With Displays
Fred W. Mumma
October, p. 34

Sigma 7 Revisited and a Look at the Sigma 5
Jean J. Bartik
March, p. 60

The CDC 7600—A Giant in our Time
Lawrence A. Dinnerstein
May, p. 48

The Compatibles—ICL's 1900 Series
Roy R. Gillus
December, p. 24

The Interdata Series
Peter Wallis
February, p. 32

DATELINE EUROPE:
February, p. 46
March, p. 48
April, p. 30

May, p. 30
June, p. 48
July, p. 42
August, p. 28
September, p. 38
October, p. 28
November, p. 48
December, p. 32

EDUCATION AND DATA PROCESSING (C. B. S. Grant):
ACM, DPMA Issue Private School Guidelines
September, p. 44

A Society of Data Educators
January, p. 28

CAI in Typing: An Unfilled Need
August, p. 44

Complete Curriculum Report Now Available
June, p. 52

Computers Put Traditional Creative Arts Education on Verge of Collapse
October, p. 60

Data Processing for the Community College
April, p. 38

In-House Training in Data Processing—How MACS does it
July, p. 36

New Data Processing Curriculum Proposed for High Schools
March, p. 56

The DPMA School Guidelines Examined
November, p. 44

The Programmer's Dilemma
December, p. 36

Will Students Wreck Your Computer Center?
May, p. 62

Employment Agencies—Friend or Foe?
Eugene B. Schultz
January, p. 22

Error Considerations in Data Transmission
F. D. Smith
November, p. 32

Estimating the Cost of System Implementation, Parts 1 and 2
Louis Fried
March, p. 32
April, p. 24

ON LINE
Accreditation of EDP Schools
August, p. 12

Alive and Kicking
May, p. 14

A Look Ahead
December, p. 10

A Summing Up
April, p. 12

A Word About Computer Statistics
January, p. 12

Baubles, Bangles and Beads
March, p. 12

Come Dick, Come Jane, See Spot Run
June, p. 16

Juggled Laissez Faire
November, p. 12

More on Computer Statistics
February, p. 10

The Flame Begins to Flicker
September, p. 17

The Gentlemanly Art of Unbundling
October, p. 12

The Holy Sees
July, p. 12

Program Conversion: A Discussion of Techniques
Paul G. Kahn
Mary E. Fuller
November, p. 28

Random Accessing for Large Tape Files
Richard A. Kaimann
February, p. 22

Resource Allocation and System Management in the Timesharing Era
Arthur M. Rosenberg
May, p. 38

The Equipment Planning Group
John A. McGann
February, p. 26

The Handling and Storage of Computer Tape
Curtis F. Koefod
July, p. 20

Toward the Complete Executive—Brainware and the Computer
J. Richard Sherman
August, p. 22